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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Hardin, Susan, et. al. § ART UNIT NO.: 1633
SERIAL NO.: 09/901,782 § EXAMINER: SMITH, C.L.
FILED: 07/09/01 § DOCKET NO.: 00007/01UTL

TITLE: REAL-TIME SEQUENCE
DETERMINATION

§ § § EV192402045US

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| EV 192 402 045,US Express Mail Number | CERTIFICATE OF MAIL BY EXPRESS MAIL | April 3, 2003 Date of Deposit |
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| Assistant Commissioner of Patent Washington, D.C. 20231 | | April 3, 2003 Date of Signature |
| Robert W. Strooker | | |

RESPONSE TO 21 JANUARY 2003 NON-FINAL OFFICE ACTION

Dear Examiner Smith:

In response to the Non-Final Office Action dated 1 January 2003 Applicants submit the following amendments and remarks:

SUMMARY OF NON-FINAL OFFICE ACTION

| | |
|----------------------------|---|
| Election/Restriction | Sustained |
| Sequence Listing | New Sequence Listing Required |
| Title | New Title Required |
| Oath/Declaration | New Oath/Declaration Required |
| Specification | Informalities Need Correcting |
| Claim 16 | Claim Objections - Informalities |
| Claims 6, 19 and 24 | §112, ¶1 - Taq DNA polymerase I sequence needed |
| Claims 1-24 | §112, ¶2 - various indefinite references |
| Claims 1-5, 7-18 and 20-23 | §102(a) and (b) - Williams and Brandis |
| Claims 1, 3 and 4 | §102(e)(2) - Patel et al. |